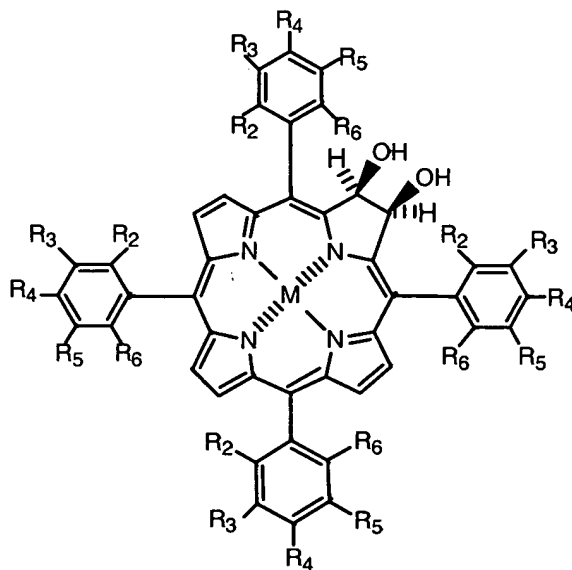


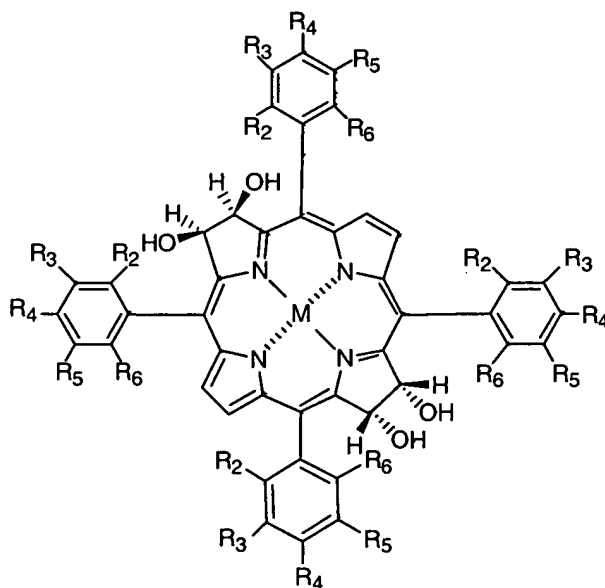
CLAIMS

1-30. (canceled)

31. (previously presented): A compound having the formula:



or



wherein each R₂, R₃, R₄, R₅ and R₆ are independently H, nitro, halo, hydroxy, alkoxy, CO₂R or OCOR, wherein each R is C₁₋₆ alkyl;

M is a metal selected from the group consisting of Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga, Al, Mn(III), Gd(III), In and Tc or 2 H atoms;

and wherein said compound is selected from the group consisting of T(m-NO₂)PC(OH)₂ (compound 4), T(p-Br)PC(OH)₂ (compound 5), T(m-Br)PC(OH)₂ (compound 6), T(m-F)PC(OH)₂ (compound 7), T(o-F)PC(OH)₂ (compound 8), TF₃PC(OH)₂ (compound 9), T(m-OH)PC(OH)₂ (compound 11), T(p-CO₂Me)PC(OH)₂ (compound 12), T(p-OCOEt)PC(OH)₂ (compound 13), T(p-OCH₃)PC(OH)₂ (compound 14), T(m-OCH₃)PC(OH)₂ (compound 15), T(m,m'-OCH₃)PC(OH)₂ (compound 16), T(m-OCH₃,p-OH)PC(OH)₂ (compound 17), T(o,m,m'-OCH₃)PC(OH)₂ (compound 19), T(o,p,o'-OCH₃)PC(OH)₂ (compound 20), T(p-CH₃)PC(OH)₂ (compound 21), T(o,p,o'-CH₃)PC(OH)₂ (compound 22), and T(o,p,o'-OCH₃)PB(OH)₄ (compound 30), wherein each T is independently tetra.

32. (previously presented): The compound of claim 31, where M is Zn.

33. (previously presented): The compound of claim 31, where M is 2H atoms.

34. (previously presented): The compound of claim 31, selected from the group consisting of T(m-OH)PC(OH)₂ (compound 11) and T(o,p,o'-OCH₃)PB(OH)₄ (compound 30).

35. (previously presented): A β,β-dihydroxy meso-substituted chlorin compound selected from the group consisting of diphenyl-2,3-dihydroxychlorin (compound 25), meso-5-(p-bromophenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 26), meso-5-(p-hydroxyphenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 27), and meso-5-(p-nitrophenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 28).

36. (previously presented): The compound of claim 35, wherein said compound is complexed with a metal selected from the group consisting of Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga, Al, Mn(III), Gd(III), In and Tc.

37. (previously presented): The compound of claim 36, where said metal is Zn.

38. (previously presented): The compound of claim 35, where the compound is selected from the group consisting of diphenyl-2,3-dihydroxychlorin (compound 25) and meso-5-(p-hydroxyphenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 27).